

Levorphanol

Other names:	Morphinan-3-ol, 17-methyl- (-)-N-Methylmorphinan-3-ol (-)-3-Hydroxy-N-methylmorphinan Aromarone Levorphan Levorphanal Ro 1-5431 1,3,4,9,10,10a-Hexahydro-11-methyl-2H-10,4a-iminoethanophenanthren-6-ol, l- 2H-10,4a-Iminoethanophenanthren-6-ol, 1,3,4,9,10,10a-hexahydro-11-methyl-, l- Morphinan, 3-hydroxy-17-methyl- 17-Methylmorphinan-3-ol 2H-10,4a-Iminoethanophenanthren-6-ol, 1,3,4,9,10,10a-hexahydro-11-methyl- Lemorán Levo-Dromoran
Inchi:	InChI=1S/C17H23NO/c1-18-9-8-17-7-3-2-4-14(17)16(18)10-12-5-6-13(19)11-15(12)17/h
InchiKey:	JAQUASYNZVUNQP-USXIJHARSA-N
Formula:	C17H23NO
SMILES:	CN1CCC23CCCCC2C1Cc1ccc(O)cc13
Mol. weight [g/mol]:	257.37
CAS:	77-07-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.35		Crippen Method
logp	3.080		Crippen Method
mcvol	209.900	ml/mol	McGowan Method
rinpol	2200.00		NIST Webbook
rinpol	2225.00		NIST Webbook
rinpol	2169.00		NIST Webbook
rinpol	2234.00		NIST Webbook
rinpol	2200.00		NIST Webbook
rinpol	2211.00		NIST Webbook
rinpol	2169.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C77076&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307i
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices

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